

Abstract

5 The invention provides a method for determining whether a
treatment is effective in changing the status of a certain set of target cells,
such as a tumor, in a patient. This method implies obtaining a sample from a
patient after initiation of a treatment, and determining whether said sample
comprises an expression product of at least one marker gene. Preferably, said
10 sample is a blood sample. In one aspect, said expression product is expressed
by a peripheral blood mononuclear cell. Said marker gene may be a gene
involved in the generation, maintenance and/or breakdown of blood vessels
(angiogenesis). A method of the invention is very suitable to determine within
a few days if a certain treatment against Kaposi's Sarcoma is successful.
15 Moreover, this method is suitable for determining the presence of angiogenesis
and/or tumor cells in a patient.